TRANSACTIONS

OF THE

ROYAL SOCIETY OF NEW ZEALAND

BIOLOGICAL SCIENCES

VOLUME 12

Nos. 1–21, 8 May 1970—22 December 1970

(Being the continuation of the Transactions of
the Royal Society of New Zealand:
Zoology, vols. 1-10 and Botany, vols. 1-3.
Volume numbering continues
that of the Zoology Section)

See note overleaf

U. of ILL. LIBRARY
JUL 19 1971
CHICAGO CIRCLE

Editor: B. W. COLLINS, M.Sc., F.G.S., M.Inst.Inf.Sci.
Associate Editors: C. A. COTTON, K.B.E., D.Sc., Hon. LL.D., F.R.S.N.Z.
W. C. CLARK, M.Sc., Ph.D., D.I.C.

PUBLISHED BY THE ROYAL SOCIETY OF NEW ZEALAND
VICTORIA UNIVERSITY OF WELLINGTON, P.O. Box 196
WELLINGTON, NEW ZEALAND

Printed by Otago Daily Times Ltd., Dunedin, New Zealand

This volume concludes the Biological Sciences section of the *Transactions of the Royal Society of New Zealand.* Beginning in 1971, biological, earth science, and other papers will be published in a new *Journal of the Royal Society of New Zealand,* to be published quarterly in bound parts.

CONTENTS

	Pages	Paper
A List of Coastal Plants from Kahurangi Point, N.W. Nelson B. H. Macmillan and G. I. Collett	1–4	No. 1
The Fungal Association of *Yoania australis* Ella O. Campbell	5–12	No. 2
New Pycnogonida from Queensland W. C. Clark	13–17	No. 3
The Hydrophilidae (Coleoptera) of New Zealand's Thermal Waters M. J. Winterbourn	21–28	No. 4
Hedylopsis cornuta and *Microhedyle verrucosa*, two new Acochlidiacea (Mollusca: Opisthobranchia) from the Solomon Islands Protectorate D. A. Challis	29–38	No. 5
Bathyhippolyte yaldwyni n.gen., n.sp., a Deepsea Hippolytid (Decapoda, Natantia) from New Zealand Ken-Ichi Hayashi and Sadayoshi Miyake	41–47	No. 6
A New Swimming Crab from the New Zealand Subantarctic and a Review of the Genus *Nectocarcinus* A. Milne Edwards R. K. Dell	51–68	No. 7
New Species of Pygmephorid and Scutacarid Mites (Acari: Tarsonemini) from New Zealand S. Mahunka	69–72	No. 8
Polychaeta from the Snares Islands, New Zealand G. A. Knox and D. B. Cameron	73–85	No. 9
A Revision of the Recent Indo-west Pacific Species of the Genus *Lyreidus* De Haan (Crustacea, Decapoda, Raninidae) D. J. G. Griffin	89–112	No. 10
Seasonal Changes in Populations of Corixidae and Notonectidae (Hemiptera: Heteroptera) in New Zealand E. C. Young	113–130	No. 11
New Zealand Gastropod Molluscs of the Genus *Pteropurpura* Jousseaume A. G. Beu	133–143	No. 12
Some New Records and New Species of Collembola from India J. T. Salmon	145–152	No. 13
A Preliminary Annotated Check List of Diatoms from New Zealand Coastal Waters F. J. Taylor	153–174	No. 14
A New Species of *Paralophaster* (Asteroidea) from New Zealand Helen E. Shearburn Clark	177–179	No. 15
A New Genus and Species of Freshwater Snail (Hydrobiidae) from Northern New Zealand N. W. Gardner	181–184	No 16
Identification of the Immature Stages of New Zealand Alpine Acridid Grasshoppers (Orthoptera) Logan Hudson	185–208	No. 17
Two New Species of Punctid Land Snail from the South Island, New Zealand F. M. Climo	209–212	No. 18
The Systematic Positions of *Cytora* Kobelt and Moellendorff, 1897 and *Liarea* Pfeiffer, 1853 (Mollusca : Mesogastropoda) F. M. Climo	213–216	No. 19
New Genera of New Zealand Dalodesmidae (Diplopoda) P. M. Johns	217–237	No. 20
Size Variation in the New Zealand Short-tailed Bat P. D. Dwyer	239–243	No. 21